AMENDMENTS TO THE CLAIMS

Please cancel Claim 21 and amend Claim 20 as follows.

LISTING OF CLAIMS

1. (previously presented) A method of enhanced common channel monitoring in a wireless communication system comprising:

receiving data from common channels during an idle state to obtain location information linked to infrastructure element identification;

storing said location information in a database;

accessing said database to determine location information related to non serving base stations; and

accessing said database during an active state to determine the location information related to serving base stations that is not sent during the active state.

2. (cancelled)

3. (previously presented) The method of Claim 1, further comprising receiving data from a common channel from a serving base station during an active state.

4. (previously presented) The method of Claim 1, further comprising receiving data from the common channels for a pre-determined period of time prior to an assigned slot.

5. (previously presented) The method of Claim 1, further comprising receiving data from the common channels after an assigned slot.

6. (previously presented) The method of Claim 1, further comprising receiving data from new common channels only during the idle state.

7.-19. (cancelled)

20. (currently amended) A method of monitoring overhead information from non-serving sectors comprising:

waking up a designated period of time earlier than an assigned slot to monitor a common channel transmitted by a non-server sector to obtain location information; [[and]]

monitoring additional common channels transmitted by other non-serving sectors as time permits before the next assigned slot; and

applying the location information obtained during said non-serving sector monitoring for common channel re-acquisition when acquisition of the serving sector fails during slotted-mode operation.

21. (cancelled)

22. (original) The method of Claim 20, further comprising storing the location information obtained from the common channels in a database.

23. (original) The method of Claim 22, further comprising accessing the database to determine location information of the non-serving sectors.

24. (previously presented) A wireless communication system comprising:

a serving base station and one or more non serving base stations which transmit common channels containing location information linked to an infrastructure element identification; and

one or more mobile stations which receive data from the common channels during an idle state to obtain the location information linked to an infrastructure element identification, wherein the one or more mobile stations store the location information linked to an infrastructure element identification in a database and access the database to determine location information related to one of the one or more non serving base stations; wherein

the one or more mobile stations accesses the database during an active state to determine location information related to the serving base station that is not sent during the active state.

25. (cancelled)

26. (previously presented) The wireless communication system of Claim 24, wherein the one or more mobile stations receive data from a common channel from the serving base station during an active state.

27. (previously presented) The wireless communication system of Claim 24, wherein the one or more mobile stations receive data from the common channels for a pre-determined period of time prior to an assigned slot.

28. (previously presented) The wireless communication system of Claim 24, wherein the one or more mobile stations receive data from the common channels after an assigned slot.

29. (previously presented) The wireless communication system of Claim 24, wherein the one or more mobile stations receive data from new common channels only during the idle state.

30. (previously presented) A mobile station for obtaining location information in a network, the network containing a serving base station and one or more non-serving base stations which transmit common channels containing location information linked to an infrastructure element identification, the mobile station comprising:

a database; and

a mobile station processor programmed for receiving data from the common channels during an idle state to obtain the location information linked to an infrastructure element identification, and storing the location information linked to an infrastructure element identification in the database and accessing the database to

determine location information related to one of the one or more non-serving base stations; wherein

the mobile station processor is further programmed for accessing the database during an active state to determine location information related to the serving base station that is not sent during the active state.

31. (cancelled)

32. (previously presented) The mobile station of Claim 30, wherein the mobile station processor is further programmed for receiving data from a common channel from the serving base station during an active state.

33. (previously presented) The mobile station of Claim 30, wherein the mobile station processor is further programmed for receiving data from the common channels for a pre-determined period of time prior to an assigned slot.

34. (previously presented) The mobile station of Claim 30, wherein the mobile station processor is further programmed for receiving data from the common channels after an assigned slot.

35. (previously presented) The mobile station of Claim 30, wherein the mobile station processor is further programmed for receiving data from new common channels only during the idle state.